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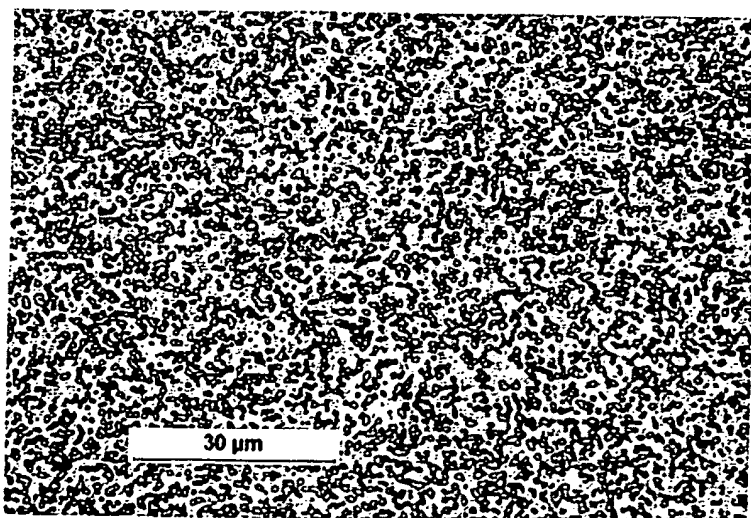
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(54) Title: STEEL ALLOY FOR CUTTING DETAILS



(57) Abstract: The invention relates to a steel alloy of the following composition (in % by weight) C 0,40-0,60 Si 0,1-1,0 Mn 0,3-1,0 Cr 12-15 MO 2,5-4,0 Ni 0-1,0 Co 0-4,0 N 0,15-0,20, with the balance Fe as well as normally occurring impurities, the hardness being > 56 HRC, which has been attained without deep freezing, as well as PRE > 25, defined as PRE = % Cr + 3,3 • % Mo + 16 • % N. Furthermore, the steel alloy comprises carbides, nitrides and/or carbonitrides the maximal diameter of which does not exceed 5 μm. This steel alloy has turned out surprisingly well suitable as edge material for a plurality of cutting operations.

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